

REMARKS

The Examiner's Action dated May 26, 2005, has been received, and its contents carefully noted.

In response to the rejections under 35 U.S.C. 112, second paragraph, the claims have been amended by deletion of the word "etc." and in other respects to place the claims in better form. Claim 6 has been amended by replacing "corresponding to the selected input contact" by - corresponding to the selectively inputted one of the contacts and coils-. Claim 6 includes a preceding recitation of "selectively inputting one of the contacts and coils" thereby providing antecedent basis for the amended recitation.

Accordingly, it is requested that the rejections under 35 U.S.C. 112, second paragraph, be reconsidered and withdrawn.

In order to advance prosecution, claims 1 and 2 have been cancelled and claims 3-7 have been placed in independent form. Claims 3 and 4 have been amended to each include all of the subject matter of original claims 1 and 2, while claims 5-7 have been amended to each include the subject matter of original claim 2. Claim 8 has been amended to more clearly define the contribution of the invention of the over the prior art.

Claim 6 has been amended for improved clarity and it is believed that, as now presented, that claim is readily understandable. The substance of claim 6 will be discussed below.

The rejection presented in Section 4 of the Action is traversed for the reason that claims 3-5 and 7, as now presented, distinguish patentably over any appropriate combination of the teachings of the applied references.

Each of claims 3 and 4 now positively recites, as one step in the claimed method, "inputting a name of a step in the operation of the molding machine ...". No disclosure of such an inputting step has been found in the Nixon patent. The only reference in the description of Fig. 23B of that reference to a name refers to the "name of a new block that is to be created.". There is no indication in this reference that the name of a block corresponds to the name of a step in the operation of a molding machine.

Furthermore, claim 3, as well as claim 5, recites the step of "displaying step names in the operation of the injection molding machine." No disclosure of this feature has been found in the applied references.

Furthermore, each of claims 4 and 7 recites "selectively displaying one of: an active display screen for displaying connection states of said contacts and coils along

with operations of the injection molding machine in real time and a still display screen displaying the connection states of said contacts and coils at a certain point of time in operation of the injection molding machine." The portion of the Nixon specification cited by the examiner (column 34, lines 39-42) has not been found to provide a disclosure, or at least a clear disclosure, of these two types of displays. Please note that the claim specifies that the display device "selectively" displays one of the enumerated screens. This requires that the method be capable of selecting one display or the other.

The rejection of claim 8 is traversed for the reason that the method now defined in that claim is not disclosed in the applied references. Claim 8 has been amended to define a display method that includes displaying a sequence circuit in an injection molding machine as a ladder diagram, wherein a contact selection instruction and coil search instruction will produce a display of a sequence circuit including coils corresponding to the selected contact and a coil selection instruction and contact search instruction for the coil in the ladder diagram will produce a display of a sequence circuit including contacts corresponding to the selected coil.

The rejection is based on the disclosures at Sections 3.2.2.2 through 3.2.4 of the Toyoda publication.

Arguably, these sections of the publication describe a system allowing the input of a contact selection instruction and a coil search instruction for that contact. However, this reference does not appear to disclose the second type of display now defined in claim 8, based on a coil selection instruction and contact search instruction for the selected coil.

Therefore, the references relied upon in the rejection presented in Section 11 of the Action do not provide a proper evidentiary basis for rejecting claim 8, as now amended.

Claim 6 stands rejected under 35 U.S.C. 112, second paragraph, because the examiner found that claim to be difficult to understand. Claim 6 has been amended to place it in independent form, by incorporation therein of all of the subject matter of original claim 2, and to define a particular feature of the invention more clearly. The first nine lines of amended claim 6 are identical to original claim 2, which, aside from the term "etc.", was not considered to be indefinite. The remainder of claim 9 simply specifies that a contact or coil that corresponds to a selectively inputted contact or coil is displayed, and other contacts or coils are displayed differently. The subject matter of claim 6 is based on the disclosure in paragraph [0025] of the present

specification. According to the description in that paragraph, the display box associated with a selected contact is caused to blink and a contact in one contact display box is displayed differently from the other contact display boxes or coil display boxes by being subjected to a black-white inversion.

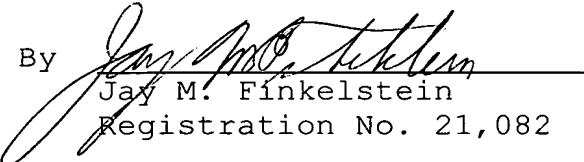
It is submitted that none of the applied references discloses this feature, from which it follows that claim 6 should be considered allowable over the art of record.

In view of the foregoing, it is requested that all of the rejections of record be reconsidered and withdrawn, that claims 3-8 be allowed and that application be found in allowable condition.

If the above amendment should not now place the application in condition for allowance, the Examiner is invited to call undersigned counsel to resolve any remaining issues.

Respectfully submitted,
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